## Feature Names, Codes, and Secondary Roads
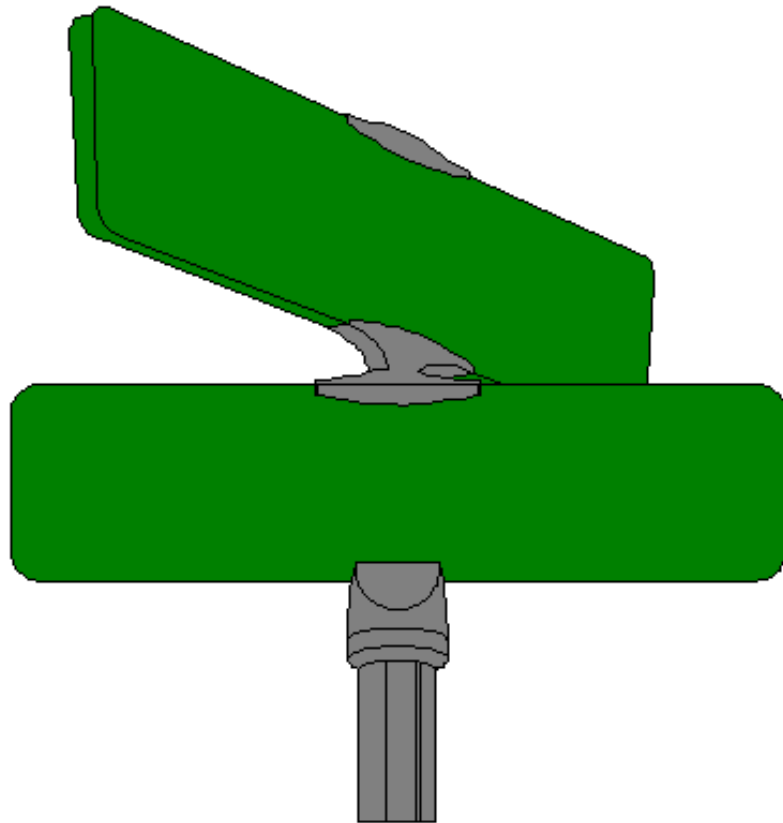
# Types of Roads

The State Highway System (SHS) of North Carolina has three types of roads:

- Interstate Routes (I)

- Primary Routes (US and NC)

- Secondary Routes (SR)

In general, the interstate routes and primary routes will not be on the same pavement as secondary routes (and vice versa)

# 8-Digit Code

The 8-digit code specifies state-maintained primary and secondary roads, local routes, and political boundaries (municipal, county, and state).

## 1-0-0-00040

**First Digit**
Route/Boundary Type
1 - Interstate
2 - US Route
3 - NC Route
4 - Secondary Route
5 - City Street (LCL)
6 - Non-System
7 - County Boundary
8 - State Boundary
9 - Municipal Boundary

**Second Digit**
Special Route Type
0 - None
1 - Alternate
2 - Bypass
3 - North
4 - South
5 - East
6 - West
7 - Special (spur, connector, etc.)
8 - Truck
9 - Business

**Third Digit**
Couplet Direction
0 - Not a couplet
3 - Northbound
4 - Southbound
5 - Eastbound
6 - Westbound
8 - Clockwise
9 - Counterclockwise

**Last 5 Digits**
Route/Boundary #

This is the route/ boundary number (left padded with zeros).

# 8-Digit Code Examples

**10000040 - I 40**

1 - Interstate

0 - None

0 - Not a couplet

00040 - Route number 40

**19000040 - I 40 Business**

1 - Interstate

9 - Business route

0 - Not a couplet

00040 - Route number 40

**50018682 - Main St.**

5 - City Street

0 - None

0 - Not a couplet

18682 - Route number for Main St

**20000064 - US 64**

2 - US Route

0 - None

0 - Not a couplet

00064 - Route number 64

**21000064 - US 64 Alternate**

2 - US Route

1 - Alternate

0 - Not a couplet

00064 - Route number 64

**40001001 - SR 1001**

4 - Secondary Route

0 - Alternate

0 - Not a couplet

01001 - Route number 1001

**70000009 - Brunswick County Line**

7 - County Boundary

0 - None

0 - Not a couplet

00009 - County number 9 (Brunswick Co)

**90000438 - Raleigh City Limits**

9 - City Boundary

0 - None

0 - Not a couplet

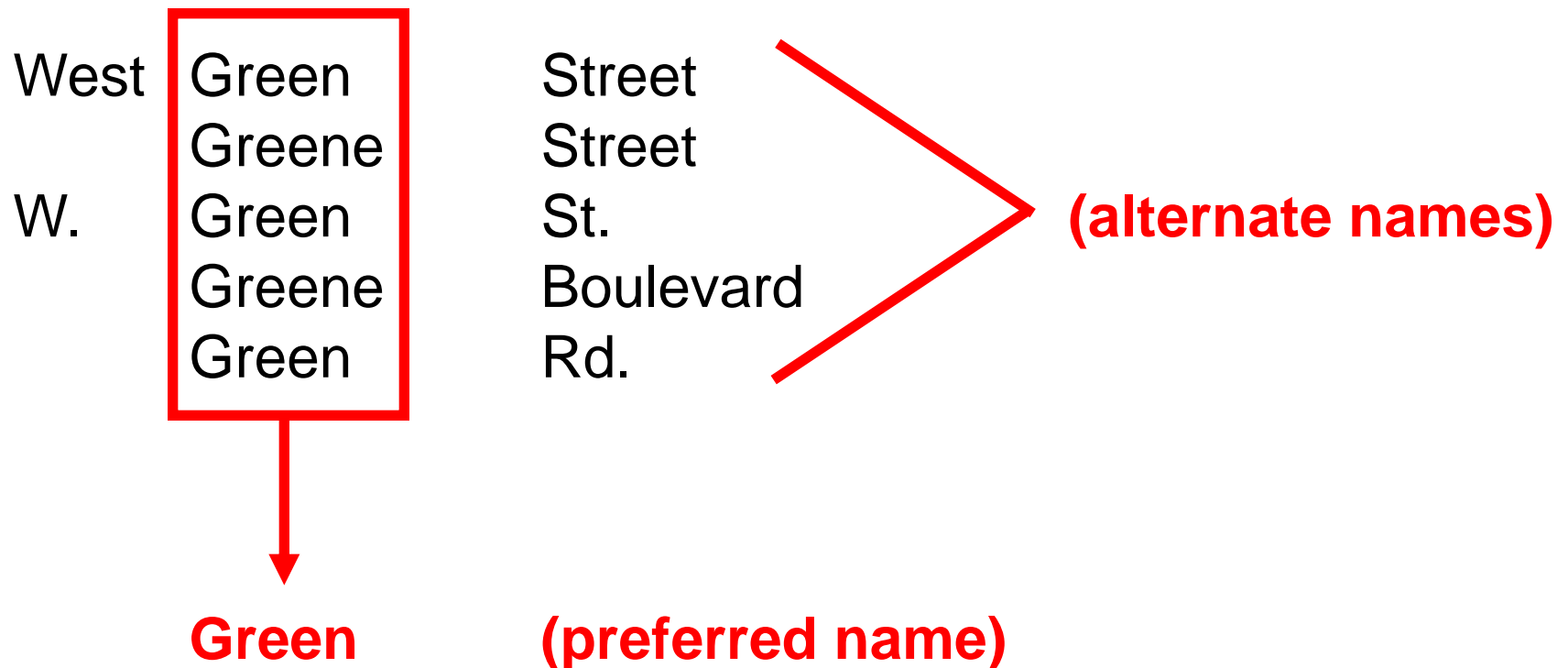00438 - City number 438 for Raleigh

# Features Names and Codes

• Used to search for and view 8-digit codes and associated text for primary roads (I, US, NC), secondary roads (SR), local street names, and political boundaries.

• Access the "Street and Feature Name" screen by selecting the following:
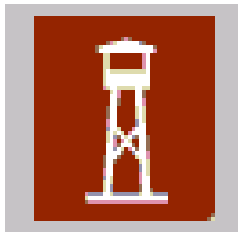
 $\Longrightarrow$ **Street and Features Name**

# Features Names and Codes (Cont.)

TEAAS only looks at the "root" spelling of a name and combines similar spellings and similar sounding names into one "preferred" name. All other related names are combined under the "preferred" name as "alternate" names.

| West | Green | Street |
| | Greene | Street |
| W. | Green | St. |
| | Greene | Boulevard |
| | Green | Rd. |

**(alternate names)**

**Green** **(preferred name)**

# Features Names and Codes (Cont.)

## To search for feature names and codes

- Click the **"Search"** icon
- Enter search criteria
- Leave any criteria blank if they are not part of the search
- Click the **"GO"** icon

Search Icon

GO Icon

Select a specific Route Type

Select a specific Special Route

Select a specific Couplet Direction

Select a specific Boundary

Specify 5-digit route number. Wildcard characters may be used to search for one or more route. Refer to *Appendix D* for use of wildcard characters.

Select Preferred Name/Alternate Name

Specify 8-digit feature code. Wildcard characters may be used to search for one or more feature.

Enter a specific name or use wildcard characters to search for one or more names.

### TEAAS - Lookup - Street and Feature Names

Edit  Help

**Feature Code Components**

Route Type

Special Route

Couplet Direction

Boundary

Route Number

**Feature**

Code

Name

○ Preferred Name

○ Alternate Name

Preferred Name

**Last Update**

User ID

Date/Time

1 of 1

# Feature Names and Codes (Cont.)

**Route Type** - Interstate, NC Route, County Boundary, etc.

**Special Route** - Alternate, Business, Truck, etc.

**Couplet Direction** - North, South, East, West

**Boundary** -
    County Names (when Route Type = County Boundary)
    Municipality names (when Route Type = Municipal Boundary)

**Route Number** - 5 digit route/county/municipal/state code.

**Code** - Complete 8 digit feature code

**Preferred Name** - Preferred Spelling of the Feature Name
- County name, preceded with **CL-** (i.e. **CL-Wake**)
- Municipality name, preceded with **ML-** (i.e. **ML-Raleigh**)
- 2 character state abbreviation, preceded with **SL-** (i.e. **SL-Va**)

**<u>Wildcard characters for searches:</u>**

Asterisk (*) or percent (%) symbols can be used to represent multiple characters. An example would be "*RALEIGH" which would return approximately 20 different features ranging from "DURALEIGH" to "ML-RALEIGH".

Question marks (?) can be used to represent single characters. An example would be "ML?RALEIGH" which would only return "ML-RALEIGH".

It is possible to search for records using any of the fields that become enabled with the **"Search"** icon.

Example:

      Step A: Click on the **"Search"** icon
      Step B: Enter a route type such as "Municipal boundary"
      Step C: Enter feature name such as "*Raleigh"
      Step D: Click the **"GO"** icon.
      Step E: Click **"OK"** on the dialog box

The information in the database about Raleigh municipal boundaries will be displayed on the "Street and Feature Names" screen.

# Feature Names and Codes - Example 1

Suppose you wanted to search for all instances of **"Green St"** in the feature database:

Step A: Click on the **"Search"** icon
Step B: Enter feature name (Green St)
Step C: Click the **"GO"** icon.

Step A

Step C

Step B

• If matching records are found, a dialog box will indicate the number of records (note - using wildcards may return more than one record).

• If matching records are not found, try searches using alternate spellings, abbreviations, wildcards, etc.

Step D: Click on the **"OK"** button and view the records.



Step D

# Feature Names and Codes  - Example 1



**TEAAS - Lookup - Street and Feature Names**

Edit   Help

## Feature Code Components

Route Type: Local street
Special Route: None
Couplet Direction: Not a couplet
Boundary:
Route Number: 12434

## Feature

Code: 50012434
Name: GREEN ST

○ Preferred Name
● Alternate Name

Preferred Name: GREEN

## Last Update

User ID: TEAAS CONVERSION
Date/Time: 12 August 1999 01:07 PM

1 of 1

It is a local street

It is not a special route

It is not a couplet

Route code is 12434

8-digit code is 50012434

Indicates "Green St" is an alternate spelling of another name in the database

The name you searched

Preferred name for "Green St" is "Green" (Codes are the same).

# Feature Names and Codes - Example 2

Suppose you wanted to search for all instances of **50012434** in the feature database:

Step A: Click on the **"Search"** icon

Step B: Enter feature code (50012434)

Step C: Click the **"GO"** icon.

• If matching records are found, a dialog box will indicate the number of records.

• If matching records are not found, try different search criteria.

Step D: Click on the **"OK"** button to view the records.



Step D

1. What is the 8-digit code for Wilson Street?

2. What is the feature with an 8-digit code of 70000057?

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

4. What is the feature with an 8-digit code of 50018682?

1. What is the 8-digit code for Wilson Street?
**50033187**

2. What is the feature with an 8-digit code of 70000057?

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

4. What is the feature with an 8-digit code of 50018682?

1. What is the 8-digit code for Wilson Street?
   **50033187**

2. What is the feature with an 8-digit code of 70000057?
   **CL-MARTIN    (Martin County Line)**

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

4. What is the feature with an 8-digit code of 50018682?

1. What is the 8-digit code for Wilson Street?
   **50033187**

2. What is the feature with an 8-digit code of 70000057?
   **CL-MARTIN    (Martin County Line)**

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?
   **90000428**

4. What is the feature with an 8-digit code of 50018682?

1. What is the 8-digit code for Wilson Street?

**50033187**

2. What is the feature with an 8-digit code of 70000057?

**CL-MARTIN    (Martin County Line)**

3. What is the 8-digit code for the municipal boundary of Plymouth (ML-Plymouth)?

**90000428**

4. What is the feature with an 8-digit code of 50018682?

**MAIN**

1. What is the 8-digit code for "James St"?

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

4. What is the preferred name for the road defined by 8-digit code 50013456?

1. What is the 8-digit code for "James St"?
   **50015249**

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

4. What is the preferred name for the road defined by 8-digit code 50013456?

1. What is the 8-digit code for "James St"?
   **50015249**

2. What is the 8-digit code for the state line of Georgia (SL-GA)?
   **80000006**

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

4. What is the preferred name for the road defined by 8-digit code 50013456?

1. What is the 8-digit code for "James St"?

    **50015249**

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

    **80000006**

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

    **17**

4. What is the preferred name for the road defined by 8-digit code 50013456?

1. What is the 8-digit code for "James St"?

**50015249**

2. What is the 8-digit code for the state line of Georgia (SL-GA)?

**80000006**

3. How many different versions of the road name defined by 8-digit code 50013456 are there?

**17**

4. What is the preferred name for the road defined by 8-digit code 50013456?

**HAYDEN**

# Secondary Roads

• Used to search for and view local street names attached to secondary roads (SR) within each county.

• Secondary roads are county specific.

• Some secondary roads may have more than one local name attached to them within a county.

• Access the "Secondary Routes" screen by selecting the following:

 $\Rightarrow$ **Secondary Routes**

SR 1335

Third St
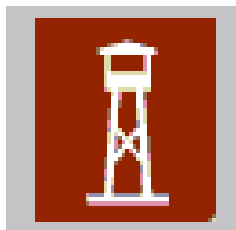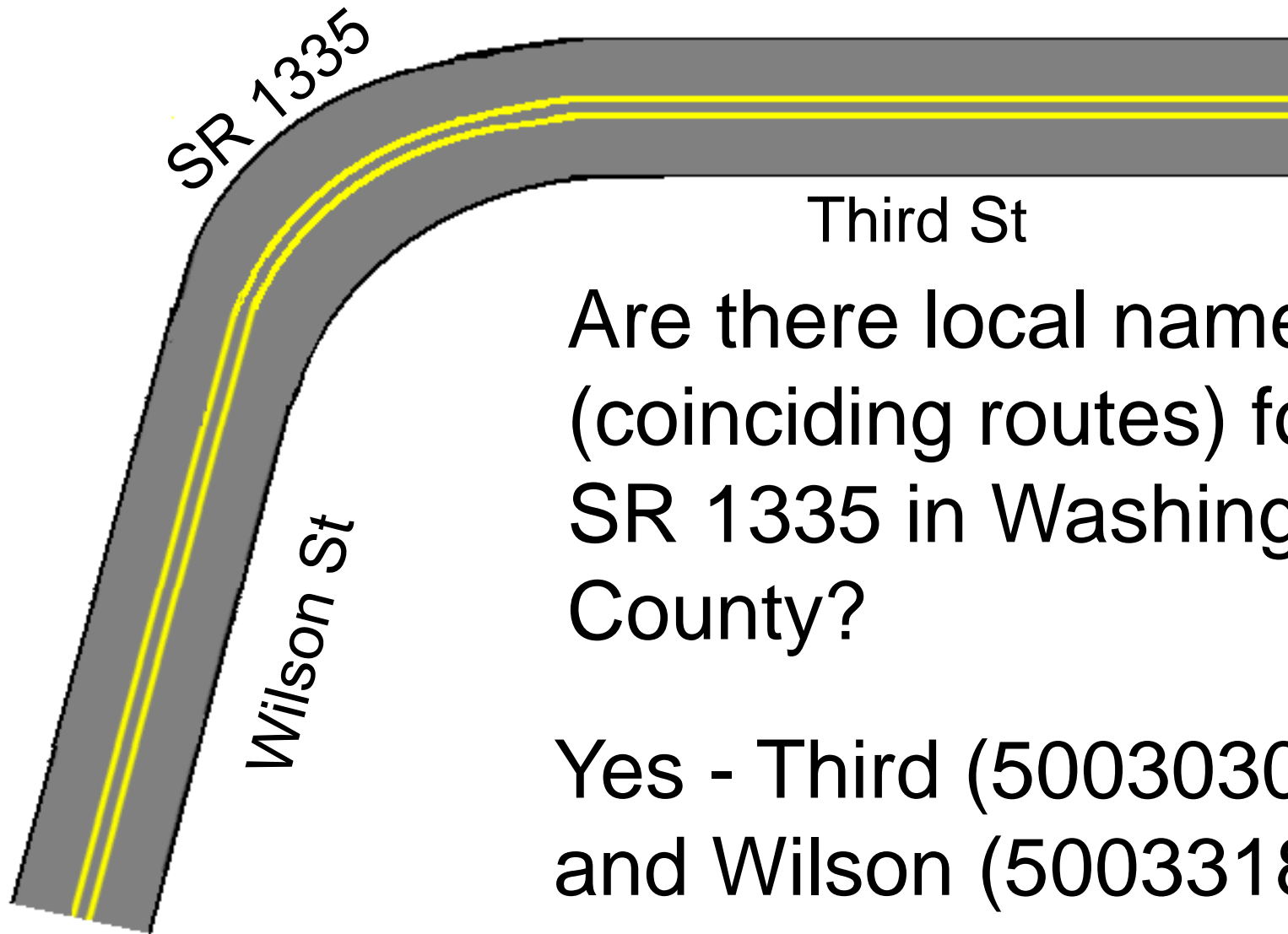
Wilson St

Are there local names (coinciding routes) for SR 1335 in Washington County?

Yes - Third (50030308) and Wilson (50033187).

*The "Secondary Routes" screen <u>may</u> be able to answer this question.*

# Secondary Roads (Cont.)

To search for secondary routes
- Click the **"Search"** icon
- Enter search criteria
- Leave criteria blank if they are not part of the search
- Click the **"GO"** icon

Search Icon

GO Icon

County

Secondary road's 8-digit code

Local road's name

Local road's 8-digit code

**TEAAS - Lookup - Secondary Routes**

Edit  Help

**Secondary Route**

County

Road Code

Alternate Road Text

City Street Code

**Last Update**

User ID

Date/Time

0 of 0

# Secondary Roads - Example 1

Suppose you wanted to search for the street names attached to SR 1822 in Wake County.

Step A: Click on the **"Search"** icon

Step B: Enter the county (Wake)
Step C: Enter the secondary road's 8-digit code (40001822)
Step D: Click the **"GO"** icon.

# Secondary Roads - Example 1

• If matching records are found, a dialog box will indicate the number of records (note - using wildcards may return more than one record).

• If no matches, check your search criteria.

Step E: Click on the **"OK"** button to view the records.
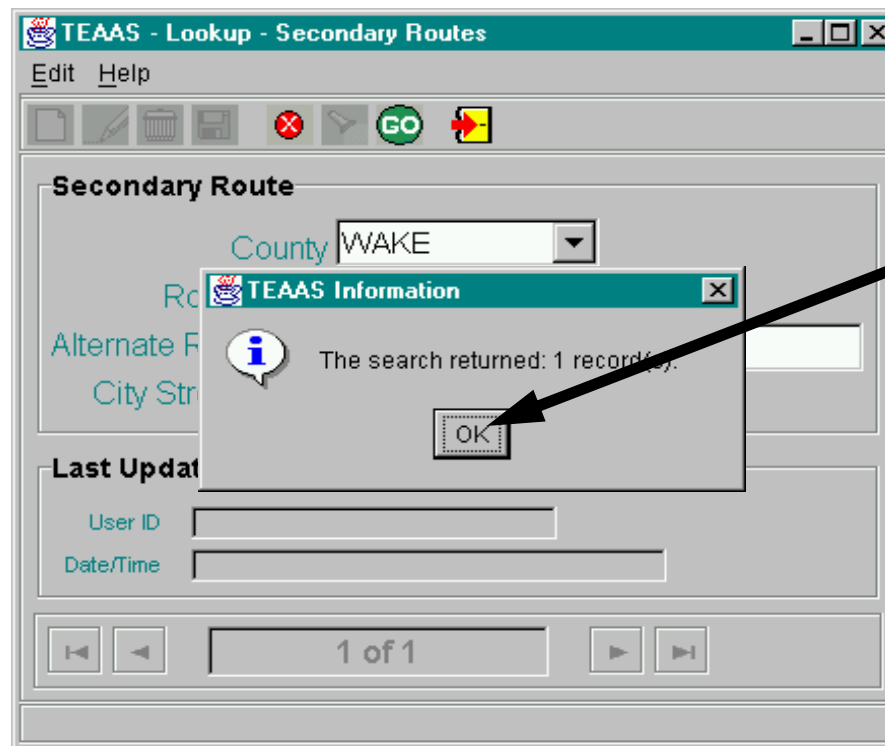


Step E

# Reading the Secondary Routes Screen



County

8-digit code for SR 1822

Local name attached to SR 1822 in Wake County.

8-digit code for the local name (Millbrook) attached to the secondary road.

# Secondary Roads - Example 2

Suppose you wanted to search for secondary roads attached to Millbrook in Wake County.

Step A: Click on the **"Search"** icon

Step B: Enter the county (Wake)
Step C: Enter the local name (Millbrook)
Step D: Click the **"GO"** icon.

# Secondary Roads - Example 2



40001822 (SR 1822)

40002018 (SR 2018)

40002108 (SR 2108)

40002118 (SR 2118)

*There are four (4) different secondary roads listed for "Millbrook" in Wake County*

# Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

2. What is the secondary road associated with "Long Ridge" in Washington County?

3. How many local names are associated with SR 1335 in Washington County?

4. What is the secondary road associated with "Poplar" in Wake County?

# Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

 **CENTER**

2. What is the secondary road associated with "Long Ridge" in Washington County?

3. How many local names are associated with SR 1335 in Washington County?

4. What is the secondary road associated with "Poplar" in Wake County?

# Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

    **CENTER**

2. What is the secondary road associated with "Long Ridge" in Washington County?

    **SR 1100**

3. How many local names are associated with SR 1335 in Washington County?

4. What is the secondary road associated with "Poplar" in Wake County?

1. What is the local name associated with SR 1348 in Washington County?

   **CENTER**

2. What is the secondary road associated with "Long Ridge" in Washington County?

   **SR 1100**

3. How many local names are associated with SR 1335 in Washington County?

   **2 - "THIRD" and "WILSON"**

4. What is the secondary road associated with "Poplar" in Wake County?

# Secondary Road Exercise

1. What is the local name associated with SR 1348 in Washington County?

**CENTER**

2. What is the secondary road associated with "Long Ridge" in Washington County?

**SR 1100**

3. How many local names are associated with SR 1335 in Washington County?

**2 - "THIRD" and "WILSON"**

4. What is the secondary road associated with "Poplar" in Wake County?

**SR 2792**

# Secondary Roads (Cont.)

**Secondary Roads Database Lookup: https://apps.dot.state.nc.us/srlookup/**



**Note that this resource is not always kept current and does not contain historical information.**